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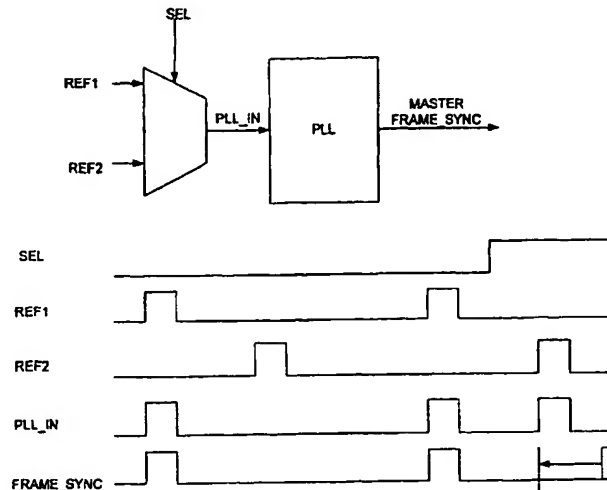
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(54) Title: METHOD AND ARRANGEMENT FOR REDUCING PHASE JUMPS WHEN SWITCHING BETWEEN SYNCHRONISATION SOURCES



(57) Abstract: A method and an arrangement for reducing phase jumps in a frame synchronisation signal when switching between synchronisation reference sources are disclosed. A new reference signal to which each of the two reference sources (signals) are phase locked, and has frequency n times the respective reference signal, is generated. A selection signal selects the new reference signal to be used, and the selected one is then divided back to its original frequency creating an input signal to a phase-locked loop generating the resulting frame synchronisation signal. In this way, the maximum phase jumps are reduced from one period of the original reference signals to one period of the new reference signal. The invention is particularly applicable for reducing phase jumps on a master frame synchronisation signal in a PDH system.

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